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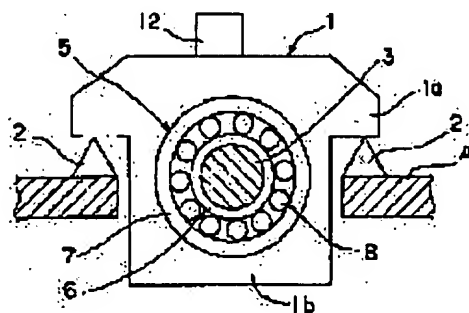
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**(54) DEVICE FOR DIAGNOSING ABNORMALITY OF BEARING FOR ROLLING ROLL**

**(57)Abstract:**

**PURPOSE:** To provide the title device capable of widening loading range of a rolling roll on a bearing for the rolling roll in time of a diagnosis and capable of broadening a detection range of the bearing abnormality.

**CONSTITUTION:** The device comprises an AE sensor 12 provided to a bearing box 1 for receiving a bearing 5 for a rolling mill installed in the rolling roll 3, bearing box supporting members 2 for supporting shoulder parts 1a of the bearing box so that the region, of the shaft box 1, vertically downward of the rolling roll 3 can be bent, given the load of the rolling roll 3, and an abnormality discriminating means for diagnosing the abnormality of the bearing 5 by comparing an AE signal from the AE sensor 12 with a fixed reference value.



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